

Description of Request

By the instant application (“Application For Permanent Authority”), BAE SYSTEMS Information and Electronic Systems Integration Inc. (“BAE SYSTEMS”) requests that the Commission grant a two-year experimental license for the facilities (“Facilities”) specified in the instant FCC Form 442.

Pursuant to File No. 0484-EX-ST-2004 the Commission granted Special Temporary Authority (“STA”) under Call Sign WB9XZU to BAE SYSTEMS to operate certain facilities on an experimental basis through March 31, 2005. In addition, pursuant to File No. 0648-EX-ST-2004 the Commission granted STA under Call Sign WC9XBF to BAE SYSTEMS to operate certain facilities on an experimental basis through June 2, 2005. These grants will be referred to herein as the “STA Grants”. Accordingly, BAE SYSTEMS hereby requests grant of the instant Application For Permanent Authority so that BAE SYSTEMS can operate the Facilities under a full experimental license.¹

BAE SYSTEMS manufactures and tests various antennas and communications systems for numerous classified customers. The Facilities for which BAE SYSTEMS seeks authority to operate pursuant to this STA Request are to be operated at BAE SYSTEMS’ facilities at Pope Technical Park in Hudson, New Hampshire as part of BAE SYSTEMS’ performance of its obligations under a military contract, namely the Adaptive Joint C4ISR Node Advanced Concept Technology Demonstration (“AJCN”). Such system will be coordinated with state and local public safety entities, as well as homeland defense agencies. The testing of the Facilities is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

The Facilities specified in this Application For Permanent Authority provide the ability for Private Land Mobile Radio Service (“PLMRS”) and public safety radios that are operating in different frequency bands to interoperate. Tests are performed at and around the BAE SYSTEMS facility with several mobile devices communicating with the AJCN system. The subscriber devices (mobile and portable radios) are unmodified off-the-shelf radios from commercial vendors.

¹ Most, but not all, of the technical parameters in the instant Application For Permanent Authority are the same as those granted to BAE SYSTEMS in the STA Grants. With respect to some frequency requests, the model number of a mobile radio has been either corrected or changed to reflect the actual facilities involved in the experiment. Such corrections of radio models do not affect the operations of the experiment in any way inconsistent with the STA Grants. See 47 C.F.R. §5.77(a). Some other frequency requests reflect a lower bandwidth than granted in the STA Grants.

The AJCN OTA number and point of contact (POC) for the relevant military contract is as follows:

OTA # MDA972-00-9-0009

Contracts	Technical
Mr. Andrew Decomo CECOM Acquisition Center AMSEL-AC-CC-RT-S Building 1208, First Floor Fort Monmouth, NJ 07703-5008 (732) 532-3569	Brian S. Lewis, AJCN ACTD Technical Manager Global Comm and Information Directorate, SC Tactical Data Network Division, AC2ISRC/A-63(SCD) DSN 575-4757 Comm (757) 225-4757

Finally, it is noted that, in connection with the STA grant under File No. 0484-EX-ST-2004, BAE SYSTEMS has successfully completed – as required by APCO - Public Safety coordination of the frequency 153.9800 MHz with the Town of Merrimack, NH, and the frequency 458.4875 MHz with the City of Nashua, NH. BAE SYSTEMS trusts that its prior completion of such coordination for these frequencies will expedite the Commission’s processing of the instant Application For Permanent Authority with respect to such frequencies.²

For the foregoing reasons, approval of this Application For Permanent Authority is in the public interest, convenience and necessity.

² BAE SYSTEMS would be happy to provide to the Commission upon request documentation reflecting the consent of the Town of Merrimack and the City of Nashua to BAE SYSTEMS’ operation of these frequencies under the parameters granted pursuant to File No. 0484-EX-ST-2004.